

# U.S. National Nuclear Forensics Library Query Template

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## **Instructions**

The U.S. Department of State is the national Point of Contact (POC) for the U.S. National Nuclear Forensics Library (NNFL) and is ready to receive queries through diplomatic channels. Any query pertaining to the U.S. NNFL submitted through the POC will receive an official U.S. government response. Queries submitted to the U.S. NNFL should be official in nature and support such efforts as law enforcement or regulatory investigations.

The U.S. government requests that a government submitting a query to the U.S. NNFL provide details about the material in question. This form is intended to assist the government submitting the query and may be used by officials when compiling the necessary information. Please attempt to answer all of the questions. If the answer to a question is not known, please answer with "unknown" in order to ensure all questions are reviewed.

Questions concerning this form or the query process may be submitted to [USNuclearLibraryPOC@state.gov](mailto:USNuclearLibraryPOC@state.gov)

## **Material Details**

- A) What is the material?
  
  
  
  
  
  
  
  
  
  
- B) How much material is present (either activity or mass)? (please provide units)

## **Query Details**

- C) Contact information for the query submission
  - i. Government submitting the query
  - ii. Point of Contact for the query
  - iii. Department/Agency
  - iv. Mailing address
  - v. Phone number
  - vi. E-Mail address

D) What is the purpose of the query?

- i. Law enforcement investigation
- ii. Regulatory investigation
- iii. Other:

E) What is the priority of the query?    routine    i    immediate

- i. If the query priority is immediate, please include justification.

F) Security requirements

- i. Are there any security requirements for the information contained within this query? If so, please describe the requirements.
  
- ii. Is the query law enforcement sensitive?

## **Categorization**

### G) Documentation and containment

- i. Does the material have accompanying documentation? If so, please provide a copy of the documentation with the query.

Yes      No

- ii. Is the material in a container? If so, please include a detailed description and photograph.

Yes      No

- iii. Is there a serial number associated with the material or the container? If so, please provide in the space below.

Yes      No

- iv. Is the material is part of a fuel assembly? If so, please include a detailed description and photograph of the assembly.

Yes      No

### H) Radiological assessment

- i. What type of radiation is present?

alpha      beta      gamma      neutron

- ii. What is the total activity of the material? (please include units) If known, please include the make and model of the instrument used to make this determination.

- iii. What is the dose rate of the material? (please include units) If known, please include the make and model of the instrument used to make this determination.

- iv. What isotopes are present and how were they identified? If known, please include the make and model of the instrument/instruments used to make this determination. Additionally, please include the spectra used for analysis if available.

I) Physical characteristics

i. Are there photographs/radiographs of the material? If so, please submit them with the query.

Yes          No

ii. What is the physical form of the material (solid, liquid, gas, powder, metal, ceramic, etc.)?

iii. What are the dimensions of the material? (please include units)

iv. What is the mass of the material? (please include units)

v. What is the density of the material? (please include units)

vi. What is the color of the material?

vii. If the material is fuel, please provide a description of the fuel (pellet, pebble, rod, plate, etc.).

**Characterization**

J) Where was the material analysis performed?

K) Who performed the analysis of the material?

L) How much of the material is remaining after analysis? (please include units)

M) Will the material be provided to the United States for analysis?      Yes      No

N) Are you willing to allow U.S. subject matter experts to contact your analysts?      Yes      No

O) Please include any characterization, categorization, and/or nuclear forensics reports completed to date for the material in question.